

**Angelina River/Sam Rayburn Reservoir**

Segment: 0615    Neches River Basin

<b>Basin number:</b>	6
<b>Basin group:</b>	A
<b>Water body description:</b>	The riverine portion of Sam Rayburn Reservoir from a point 5.6 kilometers (3.5 miles) upstream of Marion's Ferry to a point 2.75 kilometers (1.71 miles) upstream of the confluence of Paper Mill Creek
<b>Water body classification:</b>	Classified
<b>Water body type:</b>	Reservoir
<b>Water body length / area:</b>	3,555    Acres
<b>Water body uses:</b>	Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

<b>Standards Not Met in 2004</b>				
Assessment Area	Use	Support Status	Parameter	Category
Downstream of Papermill Creek	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5c
Downstream of Papermill Creek	Aquatic Life Use	Not Supporting	impaired fish community	5c
Downstream of Papermill Creek	Fish Consumption Use	Partially Supporting	mercury in largemouth bass and freshwater drum	5c
Upstream of Papermill Creek	Fish Consumption Use	Partially Supporting	mercury in largemouth bass and freshwater drum	5c

<b>Standards Not Met and Concerns in Previous Years</b>				
Assessment Area	Use	Support Status or Concern	Parameter	Category
Upstream of Papermill Creek	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c

**Additional Information:** The contact recreation, public water supply, and general uses are fully supported.

<b>2004 Concerns:</b>			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Downstream of Papermill Creek	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Downstream of Papermill Creek	Nutrient Enrichment Concern	Concern	ammonia
Downstream of Papermill Creek	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Downstream of Papermill Creek	Nutrient Enrichment Concern	Concern	orthophosphorus
Downstream of Papermill Creek	Nutrient Enrichment Concern	Concern	total phosphorus
Downstream of Papermill Creek	Narrative Criteria Concern	Concern	color
Upstream of Papermill Creek	Aquatic Life Use	Use Concern-Limited Data	depressed dissolved oxygen

(-based on data from 03/01/1998 to 02/28/2003)

<b>2004 Concerns:</b>			
<b>Assessment Area</b>	<b>Use or Concern</b>	<b>Concern Status</b>	<b>Description of Concern</b>
Upstream of Papermill Creek	Aquatic Life Use	Use Concern- Limited Data	impaired habitat
Upstream of Papermill Creek	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Upstream of Papermill Creek	Narrative Criteria Concern	Concern	color

<b>Monitoring sites used:</b>		
<b>Assessment Area</b>	<b>Station ID</b>	<b>Station Description</b>
Downstream of Papermill Creek	10621	SAM RAYBURN RESERVOIR ANGELINA RIVER 0.7 KM DOWNSTREAM OF CONFLUENCE WITH PAPER MILL CREEK LOWER CHANNEL
Upstream of Papermill Creek	10623	SAM RAYBURN RESERVOIR AT CONFL OF ANGELINA RIVER, 0.75KM NW OF PAPER MILL CREEK

<b>Published studies:</b>		
<b>Publication</b>	<b>Date</b>	<b>Author</b>
IMS 12 Sam Rayburn Reservoir	Nov. 1973	Kirkpatrick, J.